

# ***TACOM LCMC IB and DMSMS Mitigation***

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**As of: 260800SEP11**

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# Agenda



- Introductions
- Purpose
- IBIT/ IBET Mission
- Automation Alley Contract
- TACOM Industrial Base Visibility and Communication  
Tool description and demonstration
- TACOM Industrial Base Trend / Risk Analysis
- Sustainment Engineering Risk Assessment (SERA)
- Summary/Questions



# Purpose



- Provide an overview of the new Industrial Base and DMSMS mitigation tools and capability
- Demonstrate the TACOM Industrial Base Visibility and Communication Tool
- Review the TACOM Industrial Base Trend / Risk Analysis
- Provide an overview of the Sustainment Engineering Risk Assessment (SERA) objective, process, and benefits





# TACOM LCMC Industrial Base Integration Team (IBIT)



## Testing, Verification and Validation

Operational Impact Analyses

Reverse Engineering

Strategic Materials

DMSMS Management & Operation

Tracking of Bills of Material and  
Technical Data Packages

## Industrial Capability Assessments

Defense Priorities Allocation System

Industrial Labor Relations

Production Readiness Review

Surge and Contingency Operations

Committee on Foreign Investment in the  
United States (CFIUS)

One  
Team  
One Vision

Industrial Base  
Engineering  
Team IBET

Industrial Base  
Management  
Group IBMG



IB Issues  
PEOs,  
ILSC,  
Depots,  
OEMs,  
Etc.





# Automation Alley Contract



## Diminishing Manufacturing Sources and Material Shortages



- Automation Alley, Michigan's largest technology business association, is currently on contract with TARDEC to provide industrial base support for the TACOM LCMC Diminishing Manufacturing Sources and Material Shortages (DMSMS) program
- The contract with Automation Alley has created a capability to establish commercial industrial base visibility and communicate TACOM LCMC requirements with companies across the United States
- Similar to STS work directive-based contract



# Automation Alley Capabilities



**Diminishing  
Manufacturing  
Sources and  
Material  
Shortages**



- Repair part analysis and data mining capability for families of vehicles.
- Manufacturing/Industrial base capability, trend, and risk knowledge
- Reverse engineering and administration to provide replacement parts and Technical Data Packages (TDPs)
- Locating and vetting suppliers for specific components or manufacturing technology
- Industrial Base Visibility and Communication tool – manufacturer's contact information and integrated email communication capability
- Prototype demonstration and test planning and support
- Technical competencies in many mechanical/electrical areas



# Contract Work Directives



- WD001 – Program Management
- **WD002 – Industrial Base Visibility and Communication Tool**
- WD003 – High Purity Aluminum Electroplating Sources
- WD004 – Industrial Base Office Sector Study
- WD005 – Transducer Sources
- WD006 – Valve Sources
- WD007 – DMSMS Case Analyses
- **WD008 – TACOM Bi-Annual Industrial Base Trend/Risk Analysis**
- **WD009 – TACOM LCMC Legacy Vehicle Sustainment Studies**
- WD010 – Replacement of Cadmium Hex-Chrome plated material on TACOM LCMC equipment





# Industrial Base Visibility and Communication Tool



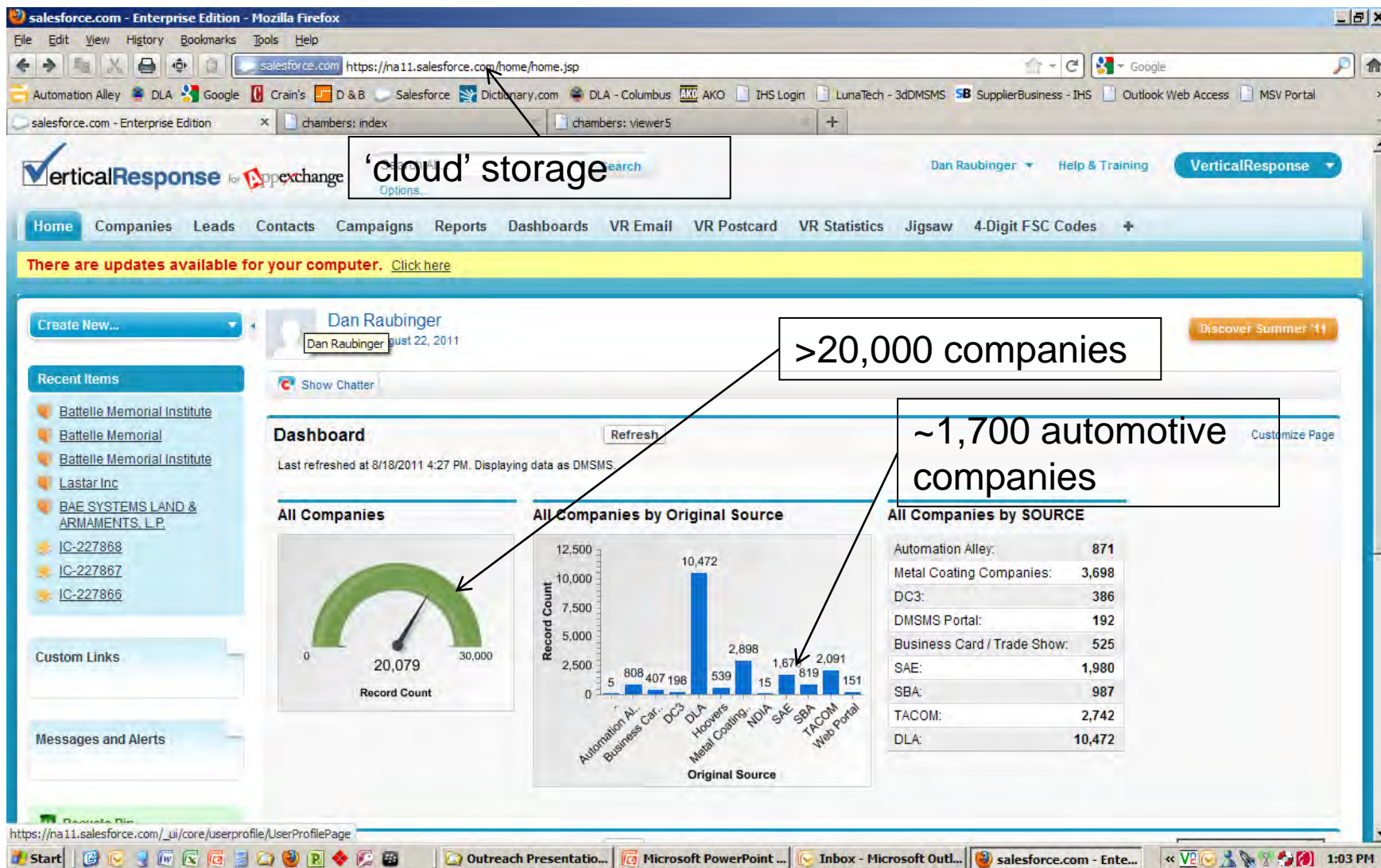
## Objective:

- Create, update, and maintain Industrial Source access to support the Diminishing Manufacturing Sources and Material Shortages (DMSMS) effort.
- Identify current TACOM sources and potential industrial supply base sources to provide a maximum number of available options to resolve DMSMS issues.
- Analyze trends and risks associated with the U.S. commercial industrial base.

***Linking TACOM LCMC requirements to Industrial Base Capabilities***



# Industrial Base Visibility and Communication Tool







# Geographical View of Suppliers



## LunaTech Designs Google Earth plug-in

The screenshot displays the TARDEC-DMSMS Menu interface, which is a web-based application for viewing supplier locations on a map. The interface is divided into several sections:

- Search Filters (Left Panel):** This section contains various filters for refining the search results. The "High Risk" filter is selected in the "NAICS Code" dropdown, and the "TACOM" filter is selected in the "Work Directive" dropdown. Other filters include "Company description", "FSC Code", "Small Business Designation", "HUBZone", "Asian Pacific American, Other Minority", "Annual Revenue Between", "Number of Employees Between", and "Contract Awarded".
- Map (Center):** The map shows the United States with numerous yellow pins indicating the locations of suppliers. The map is displayed in "Satellite" view, and the "Reset" and "Clear" buttons are visible in the top right corner of the map area.
- Search Results (Right Panel):** This panel lists the search results, including company names and links to their profiles. The results are sorted by relevance, and the "Clear" button is visible at the top of the list.

The search results list includes the following companies:

- 3TEX Inc
- A-J Chemical, Lubricants
- AIW-Alton Inc
- ASAP Design Inc
- Aasa Inc
- Advance Mold Co
- Advanced Fabricating Machinery
- Advanced Finishing Inc
- Aerospace Manufacturing Svcs
- Air Craftors Engineering Inc
- Alkan Shelter LLC
- Allon Industries Inc
- Alpha Machining
- American NDT Inc
- Andesco Sales Inc
- Anham LLC
- Arlington Machine & Tool Co
- Ats Workholding Inc
- Aura Systems, Inc.
- Avs Inc
- B & L Metal Products Inc
- Best Foam Fabricators Inc
- Blue Chip Manufacturing & Sls



# Industrial Base Trend/Risk Analysis



- Health and Risk Analysis of TACOM Industrial Base sorted by the 489 Federal Supply Classes.
- Evaluation Criteria used
  - Number of companies per FSC
  - Financial Health
  - Trends
- Bi-Annual Assessments



# Industrial Base Trend/Risk Analysis



Cage\_FSC\_Database Query Final\_6\_21 : Database (Access 2007) - Microsoft Access

Home Create External Data Database Tools Add-Ins

Final\_Query Cage\_SM\_Business SFRM\_FSC\_Cage\_FRisk\_SmB\_Src

FSC: 5341 Select an FSC: 5341

Description: Brackets

Total # of CAGE Codes: 1

Total # of Small\_Business: 0

ICP\_Code: Not Available

City: Not Available

CAGE Code Breakdown:

Count of Financial Risk Scores

High_Risk:	1
Medium_Risk:	0
Low_Risk:	0
Not_Available:	0

FSC Prescreen Scores

Click to see Chart

FSC:	5341															
Cage_ Number:	Company Name:	Prescreen_ Score:	Small Business Classifications	TACOM Databases	DLA Databases											
			HUB_Zone_XX	SDV_QF	Self_Cert_SDB_27	SBA_Cert_SDB_A4	8(a)_A6	VOB_A5	WO_A2	AbilityOne_A7	Natick	Rock_Island	Warren	Natick	Rock_Island	Warren
1U339	LABARGE PRODUCTS INC.	High Risk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Record: 1 of 1

Record: 256 of 489

Form View

Start draft report Inbox - Micro... chambers: vie... Microsoft Acc... TARDEC Indus... W56HZV-09-C... 5:49 PM





# Industrial Base Trend/Risk Analysis



Cage\_FSC\_Database Query Final\_6\_21 : Database (Access 2007) - Microsoft Access

Home Create External Data Database Tools Add-Ins

Final\_Query Cage\_SM\_Business SFRM\_FSC\_Cage\_FRisk\_SmB\_Src

FSC: 1915 Select an FSC 1915

Description: Cargo and Tanker Vessels

Total # of CAGE Codes: 4

Total # of Small Business: 0

ICP\_Code: Not Available

City: Not Available

CAGE Code Breakdown:

Count of Financial Risk Scores

High_Risk:	0
Medium_Risk:	0
Low_Risk:	1
Not_Available:	3

FSC Prescreen Scores

Click to see Chart

FSC: 1915

Small Business Classifications			TACOM Databases			DLA Databases										
Cage Number:	Company Name:	Prescreen Score:	HUB_Zone_XX	SDV_QF	Self_Cert_SDB_27	SBA_Cert_SDB_A4	8(a)_A6	VOB_AS	WO_A2	AbilityOne_A7	Natick	Rock_Island	Warren	Natick	Rock_Island	Warren
36232	LINCOLN ELECTRIC HOLDINGS INC.	Low Risk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3B213	HALTER MARINE INC.	Not Available	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
81349	MILITARY SPECIFICATIONS	Not Available	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
81996	U S ARMY AVIATION AND MISSILE	Not Available	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Record: 1 of 4

Record: 60 of 489



# Escalating Support Challenges



- Increasing O&S requirements (65-80% of Life Cycle Cost)
- Equipment condition due to deployments (Degradation)
- Obsolescence of Army systems due to age (25-40 yrs)
- Loss/change of manufacturing sector for COTS (Support Strategy Risk)
- Inconsistent lifecycle sustainment policy & planning (Organic vs. CLS vs. TDPs?)
- Inconsistent engineering/design influence for sustainment (Poor Lifecycle Planning)
- Stove-piped industrial base issue investigation & resolution (ILSC & PM vs. LCMC)
- Negative economic trends impacting commercial industrial base (Industrial Base Risk)
- Environmental and safety impacts (e.g., cadmium, asbestos, Pb-free electronics)

***Result = Increase in Reactive Support Issues***

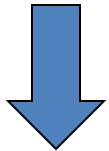
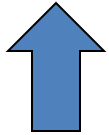
***Solution = Proactive Logistics Engineering Support***



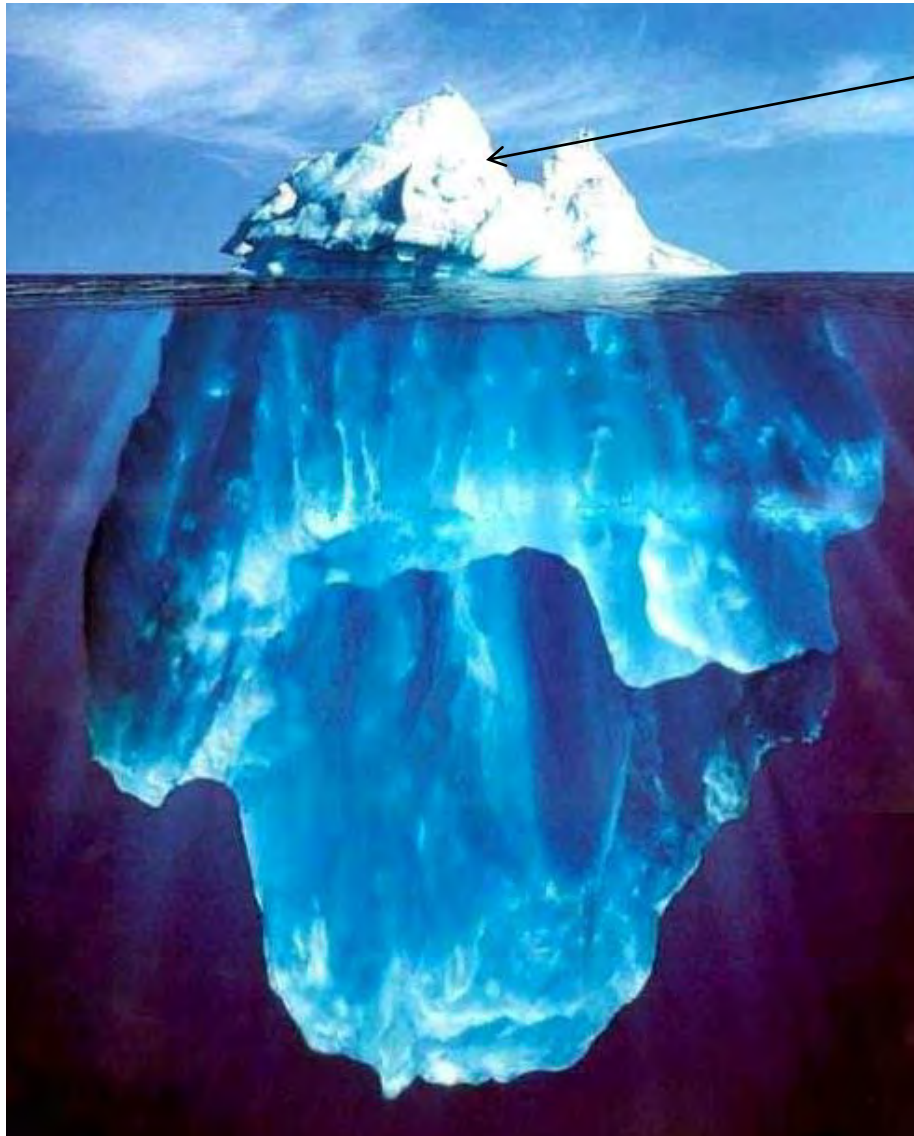
# Reactive vs. Proactive



REACTIVE



PROACTIVE



- Backorders
- DLA 339s
- Shortages
- Obsolescence
- Etc.

Utilize methods (SERAs) to identify and prevent reactionary measures





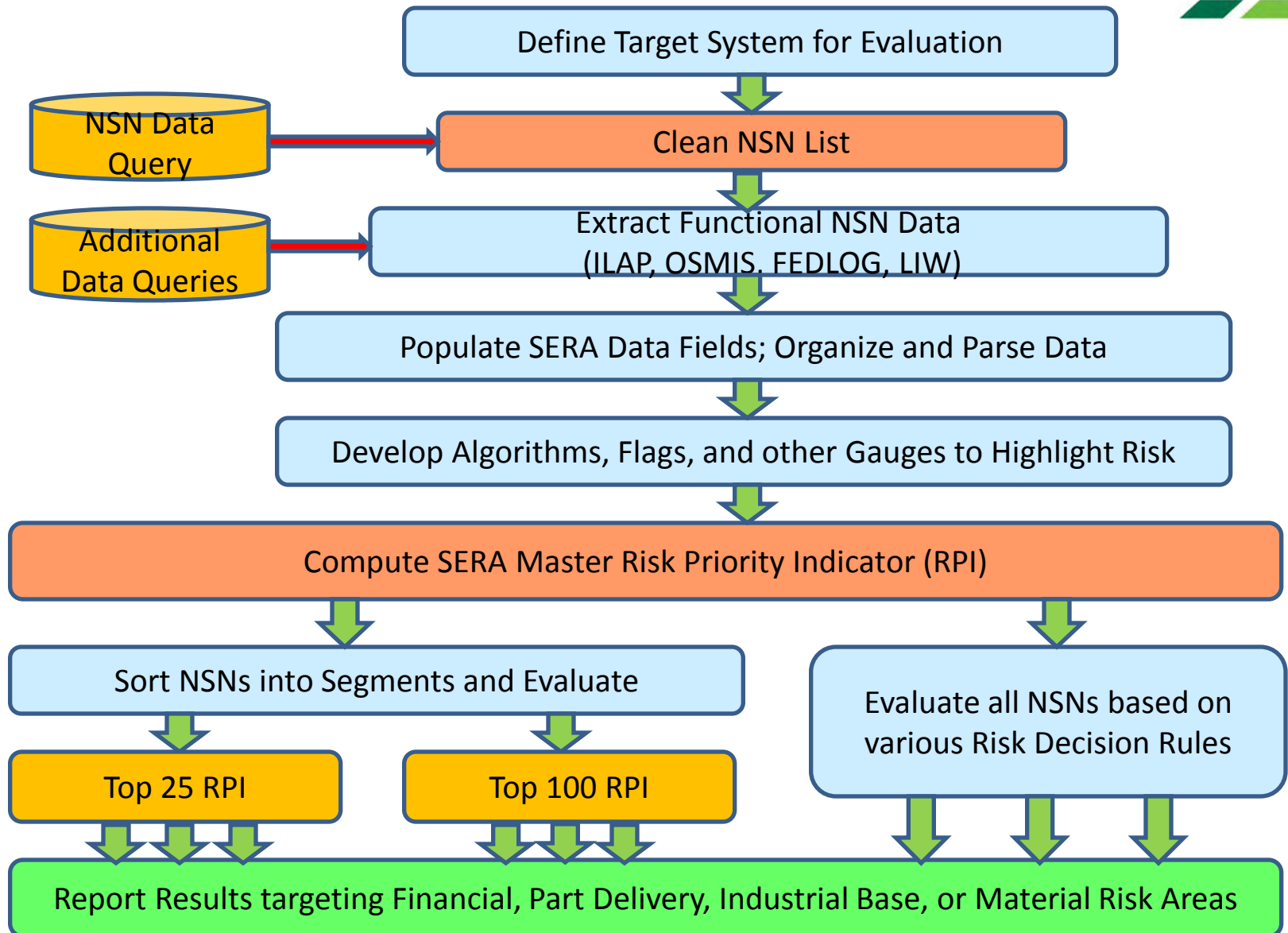
# Sustainment Engineering Risk Assessment (SERA) Objective



- Proactively evaluate equipment data and identify industrial base related obsolescence and sustainment risk.
  - Leverage all existing available data (support strategy, usage, organic, and commercial).
  - Identify and document evidence of system, platform, or vehicle level obsolescence.
  - Provide platform or equipment managers factual documentation necessary to forecast resources via Army Working Capital Fund (AWCF), Sustainment System Technical Support (SSTS), and plan corrective actions and material change efforts.
  - Support AR 700-127 (Post Fielding Sustainment Readiness Reviews (SRR)).



# SERA Process





# Sustainment Data Elements



Weight Factor	Indicator Description	Risk Condition (Indicator =1)
5.0	Single or no CAGE Code	1: <=1 CAGE Code
5.0	PBO 6-Month	1: Y
4.0	Zero Immediate OH Stock with Due Out	1: ZBAL="Y" and OH<0.5*RO
3.5	Acquisition Advice Code	1: AAC= Y,V,N,X,T, Inactive or Nomenclature = Inactive
3.5	Top 15% CWT	1: >= top 15% in latest year
3.5	Warehouse OH Stock < RO	1: OH<RO
3.0	Zero Stock with Recent Demand	1: OH=0 with Dmd in last 2 yrs
3.0	No Recent Demand	1: OSMIS & ILAP=0 in last 2 yrs
3.0	D&B High Risk Indicator	1: Y
2.5	OCONUS Only CAGE Code	1: All CAGE Codes(>0) = OCONUS
2.5	Top 15% Closed Maintenance Work Order	1: >= top 15%
2.5	Top 15% Open Maintenance Work Order in past 12M	1: >top 15%
2.5	Readiness Driver	1: Y
2.5	Technical Data Unavailable	AMC/AMSC & DAC
2.0	Closed Maintenance Work Order	1:>0
2.0	Open Maintenance Work Order in past 12M	1:>0
2.0	CWT Increasing	1: Latest FY >1.1*Prev FY AND Latest FY > Median
2.0	Recent Back Order (60 day)	1: Y
2.0	Hazardous Materials	HMIC, HCC, & characteristic
1.5	Shelf Life Exceeded	1: Y



# MS Access Views and Reports



Menu - AADO SERA

Home Create External Data Database Tools Add-Ins

Views Paste Copy Format Painter Clipboard Font Rich Text Refresh All New Save Delete Records Totals Spelling More Filter Selection Advanced Toggle Filter Sort & Filter Size to Fit Form Switch Windows Window Find Replace Go To Select Find

**AADO SERA - M915 FOV** Exit

**Risk Indicator Matrix**

Risk Indicator Matrix (M91Z Only)

NIIN Lookup

Cages

Supply Classes

Utilities Menu

**Risk Grouping Reports**

**Single CAGE Code Plus...**

PBO 6 Mos + Zero Stock w/ Due Out

No TDP + High D&B Score

High D&B Score

No TDP

Acquisition Advice Code

No Orders in Past 5 Years + No TDP

No Orders in Past 5 Years (Single CAGE)

OCONUS Only (Single CAGE)

Summary by Cage

Detail by Cage

Detail by Cage (Govt or Standard only)

Summary by FSC

No Active CAGE Code

Top 100 RPI List

PBO 6 Mos

PBO 6 Months + Rand Readiness Driver

Zero On Hand Stock w/ Due Out

Zero On Hand Stock

Rand Readiness Driver + High D&B Score

Rand Readiness Driver by Demand

Top 15% Customer Wait Time

RoHS Indicator (HMIC and HCC)

Warehouse On Hand Stock

No Orders in Past 5 Years (All)

OCONUS Only (All)

TDP Available (AMC, AMSC are 1G & 2G)

Top 100 RPI NIINs - Count by CAGE

**General Reports**

FSGs with NIIN Count

FSGs with NIIN Count (All)

FSCs with NIIN Count

FSCs with NIIN Count (All)

There are **0** null FSC descriptions

There are **3** CAGES with no status

There are **3700** CAGES with no prescreen score

There are **137** NIINs with no SC

There are **137** NIINs with no Rand

Form View





# Risk Priority Indicator Matrix



Home

Create

External Data

Database Tools

Add-Ins

View

Cut

Copy

Paste

Format Painter

Clipboard

Font

Rich Text

Refresh All

New

Save

Delete

Totals

Spelling

More

Filter

Selection

Advanced

Toggle Filter

Size to Fit Form

Switch Windows

Find

Go To

Select

Close

Rank	Norm RPI	Total weight	NIIN	Single or no CAGE	PBO 6-month	Zero stock with due out	Acquisition advice code	Top 15% CWT	Warehouse OH stock < RO	No recent demand	Zero stock with recent demand	D&B high risk flag	OCONUS only CAGE code	Top 15% closed maint workorder	Top 15% open maint w/o in past 12M	Readiness driver	Technical data availability	Closed maint workorder	Open maint w/o in past 12M	CWT increasing	Recent back order (60 day)
1	0.55	31.5	01-523-6667	0.0	5.0	4.0	0.0	3.5	3.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	0.0	2.0	2.0	2.0	2.0
2	0.55	31.5	01-150-9812	0.0	5.0	4.0	0.0	0.0	3.5	0.0	0.0	3.0	0.0	2.5	2.5	2.5	2.5	2.0	2.0	0.0	2.0
3	0.55	31.5	00-778-0324	0.0	5.0	4.0	0.0	3.5	3.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	0.0	2.0	2.0	2.0	2.0
4	0.54	31.0	01-329-1671	5.0	5.0	4.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	0.0	2.0	2.0	0.0	2.0
5	0.53	30.5	01-496-9836	0.0	5.0	0.0	0.0	3.5	3.5	0.0	0.0	3.0	0.0	0.0	2.5	2.5	2.5	2.0	2.0	2.0	2.0
6	0.50	29.0	01-327-1350	0.0	5.0	4.0	0.0	0.0	3.5	0.0	0.0	3.0	0.0	2.5	2.5	2.5	0.0	2.0	2.0	0.0	2.0
7	0.50	28.5	01-032-1326	0.0	5.0	0.0	0.0	0.0	3.5	0.0	0.0	3.0	0.0	2.5	2.5	2.5	0.0	2.0	2.0	0.0	2.0
8	0.50	28.5	01-495-2851	5.0	0.0	4.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.0	2.0	0.0	2.0
9	0.49	28.0	01-446-9506	5.0	5.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	2.5	2.5	0.0	0.0	2.0	2.0	0.0	2.0
10	0.49	28.0	01-514-2457	0.0	5.0	4.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	2.5	2.5	0.0	2.5	2.0	2.0	2.0	2.0
11	0.48	27.5	01-544-2103	0.0	5.0	0.0	0.0	3.5	0.0	0.0	3.0	0.0	0.0	2.5	2.5	2.5	2.5	2.0	2.0	0.0	2.0
12	0.48	27.5	01-319-2137	0.0	5.0	0.0	0.0	3.5	3.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	0.0	2.0	2.0	2.0	2.0
13	0.47	27.0	01-533-8814	5.0	5.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	0.0	2.0	2.0	2.0	0.0
14	0.47	27.0	01-533-8816	5.0	5.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	0.0	2.0	2.0	2.0	0.0
15	0.47	27.0	01-435-0408	0.0	5.0	4.0	0.0	3.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.0	0.0	2.0	2.0
16	0.45	26.0	01-331-2987	0.0	5.0	4.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	0.0	2.0	2.0	0.0	2.0
17	0.44	25.5	01-505-7554	0.0	0.0	4.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.0	2.0	2.0	2.0
18	0.43	25.0	01-505-7556	0.0	5.0	4.0	0.0	3.5	3.5	0.0	0.0	0.0	0.0	2.5	0.0	2.5	0.0	2.0	0.0	0.0	2.0
19	0.43	25.0	01-274-1915	0.0	5.0	0.0	0.0	0.0	3.5	0.0	0.0	3.0	0.0	2.5	2.5	0.0	2.5	2.0	2.0	0.0	2.0
20	0.43	24.5	01-481-5378	5.0	5.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	2.5	2.5	0.0	0.0	2.0	2.0	0.0	2.0
21	0.43	24.5	01-339-4308	0.0	5.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.0	2.0	0.0	2.0
22	0.43	24.5	01-331-2996	0.0	0.0	4.0	3.5	0.0	3.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	0.0	2.0	2.0	0.0	2.0
23	0.43	24.5	01-329-9896	0.0	5.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.0	2.0	0.0	2.0
24	0.42	24.0	01-479-4199	0.0	5.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	0.0	2.0	2.0	2.0	2.0
25	0.42	24.0	01-485-1473	0.0	5.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	2.5	2.5	0.0	2.5	2.0	2.0	0.0	2.0

Average weight: 7.1

Count: 18202

Record: 17

Unfiltered

Search

Form View

Start

draft r...

Inbox ...

Comp...

Micros...

AADO ...

TARDE...

W56H...

W56H...

Docu...

2:53 PM





# Additional NIIN Data



NIIN Lookup - AADO SERA

Home Create External Data Database Tools Add-Ins

Select a NIIN:  Rank: 17 Norm RPI: 0.44 Total weight: 25.5

NATO Item Identification Number (NIIN): **01-505-7554** Replaced by:

Nomenclature: **RADIATOR,ENGINE COOLANT**

Source: **PMR - total pmr.txt of 2/18/2011**

Supply Class (SC): **9 - Repair Parts**

Federal Supply Group (FSG): **29 - Engine Accessories**

Federal Supply Classification (FSC): **2930 - Engine Cooling Sys Comps - Nonaircraft**

Consumable/Repairable: **Consumable** FEDLOG systems used on:

Rand readiness driver/flag: **2.5**

**AMDF Pricing**

AMDF price	Added	Source
\$1,061.00	5/23/11	Spreadsheet - Automation Alley-M915

**Customer Wait Time**

Year	Days
2008	10.1
2009	15.0

**Reference/Part Numbers**

**Sources**

Valid	All
CAGE codes (CONUS): 3	3
CAGE codes (OCONUS): 0	0
Total: 3	3

Single or no CAGE code flag: **0.0**

OCONUS only CAGE code flag: **0.0**

D&B high risk flag: **0.0**

**Maintenance Work Orders**

Closed	Opened
NIIN quantity: <b>71</b>	
Workorders (2005-10): <b>72</b>	Past 12 months: <b>31</b>
Flag: <b>2.0</b>	Flag: <b>2.0</b>
Top 15% flag: <b>2.5</b>	Top 15% flag: <b>2.5</b>

**Back Orders**

Persistent (6 months consecutive)/flag: **0.0**

Recent (since 1 Sep 2010)/flag: **2.0**

**Warehouse Authorized Stockage List**

Current on hand balance: **5**

Current requisition objective: **11**

Zero stock with recent demand flag: **0.0**

Warehouse OH stock flag: **3.5**

Zero stock with due out flag: **0.0**

**CAGE Codes**

Cage	Valid	Name	City, State	Country	Prescreen score	Status
2A413	✓	BEHR HEAT TRANSFER SYSTEMS II	NORTH CHARLESTON,	UNITED STATES	Medium Risk	A - Active, Com
55683	✓	WHEELER BROS. INC.	SOMERSET, PA	UNITED STATES	Low Risk	A - Active, Com
64678	✓	DAIMLER TRUCKS NORTH AMERIC	PORTLAND, OR	UNITED STATES	Low Risk	A - Active, Com

Count: 3

**Contracts**

Date	Cage	SOS	Contract number	Contract X	Quantity	UI	Price	Total amount
9/8/10	55683	AKZ	W56HZV07D0081	VD040024AA	40	EA	\$916.77	\$36,670.80
12/30/09	55683	AKZ	W56HZV07D0081	VD030023AA	29	EA	\$873.11	\$25,320.19
12/30/09	55683	AKZ	W56HZV07D0081	VD030023AA	29	EA	\$0.00	\$0.00
9/11/09	55683	AKZ	W56HZV07D0081	VD020023AA	40	EA	\$873.11	\$34,924.40

**OSMIS**

Year	Quantity
2005	47.0
2006	26.9
2007	27.0
2008	18.7
2009	22.0
5 year total:	141.6

**ILAP Demand**

Year	Quantity
2005	22
2006	27
2007	30
2008	37
2009	46
5 year total:	162

No demand weight: **0.0**

**Hazardous Materials**

HMIC: **II**

Hazard count: **0**

Hazardous material flag: **0.0**

**SWA/Non-SWA ILAP DOCHNO CT**

SWA count:

Non-SWA count:

SWA/Non-SWA ratio:

Ordered as a RESET Docno: **II**

Form View

Start | draft report | Inbox - Mi... | chambers:... | Microsoft ... | AADO SER... | TARDEC SE... | W56HZV-0... | 3:26 PM





# Additional NIIN Data



NIIN Look Up - AADO SERA

Home Create External Data Database Tools Add-Ins

Select a NIIN:  Rank: 17 Norm RPI: 0.44 Total weight: 25.5

NATO Item Identification Number (NIIN): **01-505-7554** Replaced by:

Nomenclature: **RADIATOR,ENGINE COOLANT**

Source: **PMR - total pmr.txt of 2/18/2011**

Supply Class (SC): **9 - Repair Parts**

Federal Supply Group (FSG): **29 - Engine Accessories**

Federal Supply Classification (FSC): **2930 - Engine Cooling Sys Comps - Nonaircraft**

Consumable/Repairable: **Consumable** FEDLOG systems used on:

Rand readiness driver/flag: **2.5**

**Sources**

	Valid	All
CAGE codes (CONUS):	3	3
CAGE codes (OCONUS):	0	0
Total:	3	3

Single or no CAGE code flag: **0.0**

OCONUS only CAGE code flag: **0.0**

D&B high risk flag: **0.0**

**Maintenance Work Orders**

Closed	Opened
NIIN quantity: <b>71</b>	
Workorders (2005-10): <b>72</b>	Past 12 months: <b>31</b>
Flag: <b>2.0</b>	Flag: <b>2.0</b>
Top 15% flag: <b>2.5</b>	Top 15% flag: <b>2.5</b>

**Back Orders**

Persistent (6 months consecutive)/flag: **0.0**

Recent (since 1 Sep 2010)/flag: **2.0**

**CAGE Codes**

Cage	Valid	Name	City, State	Country	Prescreen score	Status
2A413	<input checked="" type="checkbox"/>	BEHR HEAT TRANSFER SYSTEMS II	NORTH CHARLESTON,	UNITED STATES	Medium Risk	A - Active. Com
55683	<input checked="" type="checkbox"/>	WHEELER BROS. INC.	SOMERSET, PA	UNITED STATES	Low Risk	A - Active. Com
64678	<input checked="" type="checkbox"/>	DAIMLER TRUCKS NORTH AMERIC	PORTLAND, OR	UNITED STATES	Low Risk	A - Active. Com

**Reference/Part Numbers**

Ref	Cage	Nom	RNCC	RNVC	DAC
<a href="#">68925</a>	2A413	RADIATOR,ENGINE COO			
<a href="#">68925</a>	2A413	RADIATOR,ENGINE COOLANT	3	2	1
<a href="#">BHT/68925</a>	64678				
<a href="#">BHT/68925</a>	64678	RADIATOR,ENGINE COO			
<a href="#">BHT/68925</a>	64678	RADIATOR,ENGINE COOLANT	5	2	5

Count: 3

**Used On**

Model	PCCN	UOC
<UNK>	<UNK>	<UNKM915>
<UNK>	<UNK>	<UNKM916>
<UNK>	<UNK>	<UNKM917>
M915A3	C915A2	5A3
M916A3	C915A2	6A3
M917A2	C915A2	7A2
M917A2 w/MCS	C915A2	7E2

Count: 7

**Warehouse Authoriz**

Current on hand

Current requisition o

Zero stock with recent dem

Warehouse OH st

Zero stock with due

	2005	47.0	2005	22
	2006	26.9	2006	27
	2007	27.0	2007	30
	2008	18.7	2008	37
	2009	22.0	2009	46
5 year total:	141.6		5 year total:	162

No demand weight: **0.0**

**Hazardous Materials**

HMIC: [H](#)

Hazard count: **0**

Hazardous material flag: **0.0**

**SWA/Non-SWA ILAP DOCNO CT**

SWA count:

Non-SWA count:

SWA/Non-SWA ratio:

Ordered as a RESET Docno: **N**

9/11/09 55683 AKZ W56HZV07D0081 VD020023AA 40 EA \$873.11 \$34,924.40

Close



# Sustainment Engineering Risk Assessment (SERA) Benefit



- Proactively evaluate equipment data and identify industrial base related obsolescence and sustainment risk.
- Leverage all existing available data (support strategy, usage, organic, and commercial).
- Identify and document evidence of system, platform, or vehicle level obsolescence.
- Provide platform or equipment managers factual documentation necessary to forecast resources via Army Working Capital Fund (AWCF), Sustainment System Technical Support (SSTS), and plan corrective actions and material change efforts.
- Support AR 700-127 (Post Fielding Sustainment Readiness Reviews (SRR)).





# Available SERA Capability



- Application:
  - Component
  - Vehicle
  - Family of Vehicles
  - PM/PEO Portfolio
  - LCMC/Command
- Data refresh:
  - One-time study (M915)
  - Quarterly, semiannual, annually (Abrams)
- Potential for other sustainment opportunities – cost and sector studies, VE, commonality assessments



# Summary



- Provided an overview of the new Industrial Base and DMSMS mitigation tools and capability
  - Demonstrated the TACOM Industrial Base Visibility and Communication Tool
  - Reviewed the TACOM Industrial Base Trend / Risk Analysis
  - Provided an overview of the Sustainment Engineering Risk Assessment (SERA) objective, process, and benefits
- Discussion and questions.